

Fill in the boxes with numbers before the given number:

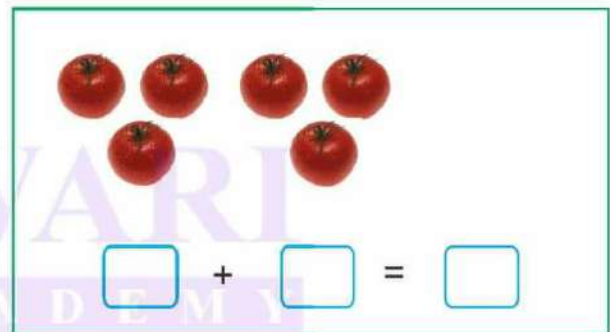
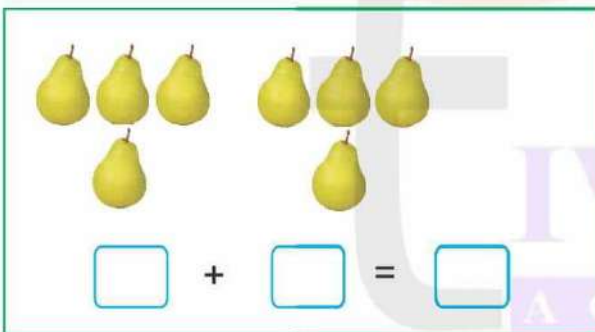
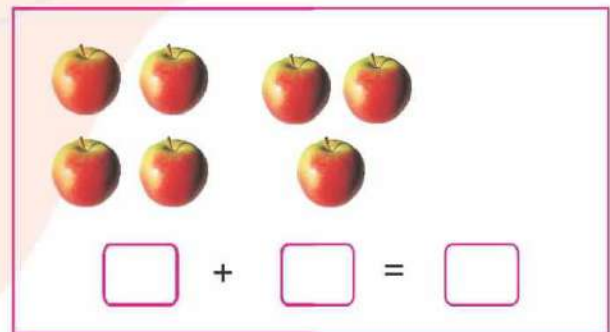
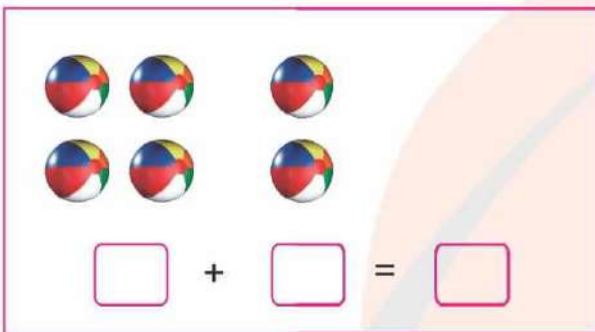
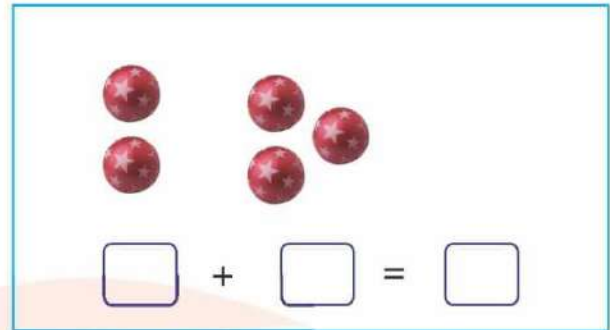
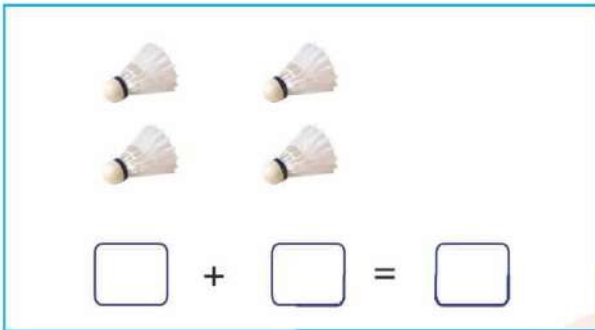
<input type="text"/>	26	<input type="text"/>	12	<input type="text"/>	42	<input type="text"/>	44
<input type="text"/>	25	<input type="text"/>	55	<input type="text"/>	88	<input type="text"/>	80
<input type="text"/>	27	<input type="text"/>	87	<input type="text"/>	51	<input type="text"/>	33
<input type="text"/>	34	<input type="text"/>	79	<input type="text"/>	86	<input type="text"/>	61
<input type="text"/>	99	<input type="text"/>	45	<input type="text"/>	96	<input type="text"/>	84
<input type="text"/>	78	<input type="text"/>	30	<input type="text"/>	12	<input type="text"/>	98
<input type="text"/>	44	<input type="text"/>	58	<input type="text"/>	10	<input type="text"/>	67
<input type="text"/>	31	<input type="text"/>	27	<input type="text"/>	87	<input type="text"/>	89
<input type="text"/>	21	<input type="text"/>	28	<input type="text"/>	51	<input type="text"/>	91
<input type="text"/>	57	<input type="text"/>	41	<input type="text"/>	60	<input type="text"/>	45

Fill in the boxes with numbers between the given number:

13	<input type="text"/>	15	82	<input type="text"/>	84
8	<input type="text"/>	10	78	<input type="text"/>	80
16	<input type="text"/>	18	9	<input type="text"/>	11
42	<input type="text"/>	44	25	<input type="text"/>	27
84	<input type="text"/>	86	59	<input type="text"/>	61
87	<input type="text"/>	89	85	<input type="text"/>	87
56	<input type="text"/>	58	92	<input type="text"/>	94
28	<input type="text"/>	30	33	<input type="text"/>	35
74	<input type="text"/>	76	44	<input type="text"/>	46
44	<input type="text"/>	46	18	<input type="text"/>	20

6. Count, Add and Write

Count the total object in each group. Write it in the box.



Fill in the boxes.

$$\begin{array}{l} \boxed{1} + \boxed{1} = \boxed{} \\ \boxed{2} + \boxed{2} = \boxed{} \\ \boxed{3} + \boxed{3} = \boxed{} \end{array}$$

$$\begin{array}{l} \boxed{5} + \boxed{1} = \boxed{} \\ \boxed{2} + \boxed{6} = \boxed{} \\ \boxed{3} + \boxed{2} = \boxed{} \end{array}$$

$$\begin{array}{l} \boxed{5} + \boxed{2} = \boxed{} \\ \boxed{5} + \boxed{4} = \boxed{} \\ \boxed{5} + \boxed{5} = \boxed{} \end{array}$$

7. Addition (+)

Write the sum in the box.

$4 + 3 = \boxed{}$

$6 + 5 = \boxed{}$

$2 + 3 = \boxed{}$

$1 + 7 = \boxed{}$

$5 + 7 = \boxed{}$

$7 + 6 = \boxed{}$

$7 + 2 = \boxed{}$

$9 + 3 = \boxed{}$

$9 + 8 = \boxed{}$

$2 + 4 = \boxed{}$

$3 + 4 = \boxed{}$

$7 + 7 = \boxed{}$

$6 + 3 = \boxed{}$

$4 + 5 = \boxed{}$

$2 + 1 = \boxed{}$

$3 + 5 = \boxed{}$

$5 + 9 = \boxed{}$

$6 + 6 = \boxed{}$

$1 + 8 = \boxed{}$

$7 + 9 = \boxed{}$

$8 + 4 = \boxed{}$

$1 + 4 = \boxed{}$

$6 + 1 = \boxed{}$

$6 + 4 = \boxed{}$

$3 + 2 = \boxed{}$

$7 + 4 = \boxed{}$

$4 + 4 = \boxed{}$

$4 + 9 = \boxed{}$

$3 + 8 = \boxed{}$

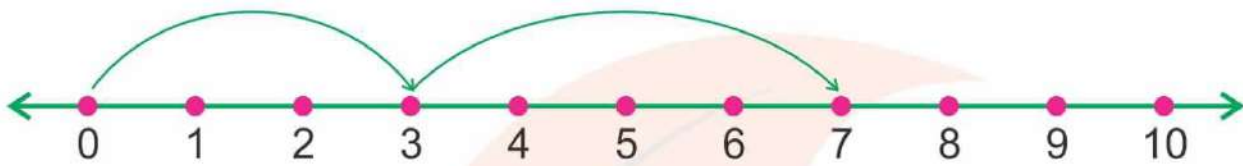
$7 + 8 = \boxed{}$

Addition on Number Line

Addition using the Number Line

Add : $3 + 4$

On a number line, to add 3 to 4, start at number 3. Now count 4 numbers to your right. **To add we always go to the right.** The number you arrive at is 7. Or $3 + 4 = 7$.



Add using the number line.

Add $2 + 4 =$



Add $3 + 5 =$



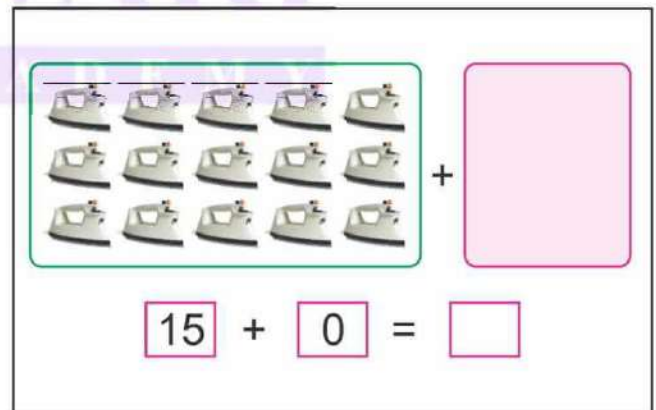
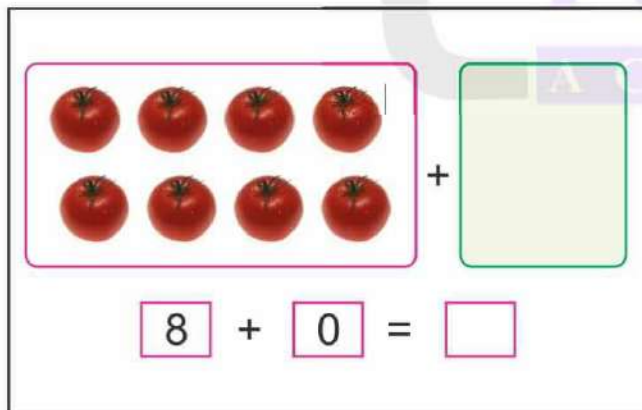
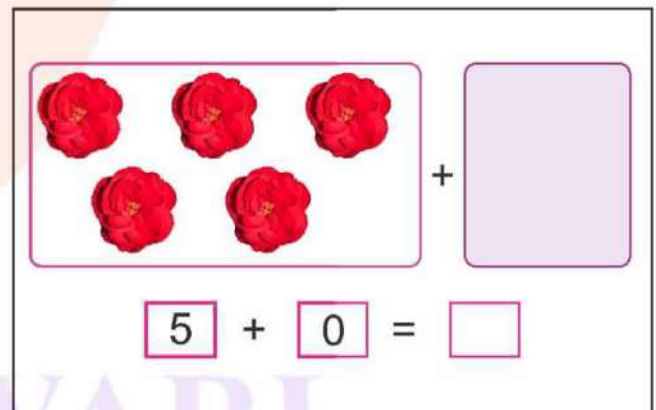
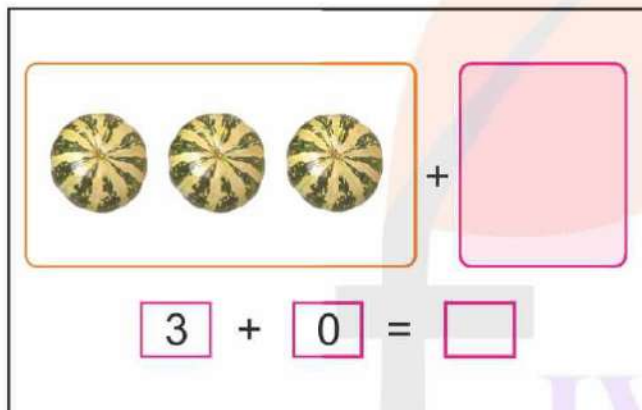
8. Addition Zero

Look at the picture.

See what happens when you have zero things to add.



$$4 + 0 = 4$$



What did you find out? When we add 0 to a number it remains the same.

Add the following:

$$\begin{array}{r} 10 \\ + 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 5 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 8 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 20 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ + 50 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 34 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ + 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ + 16 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 30 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ + 31 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ + 30 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 70 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 75 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 49 \\ \hline \\ \hline \end{array}$$

9. Expand and Add

Add 52 + 37

$$\begin{aligned}
 52 &= 5 \text{ tens} + 2 \text{ ones} \\
 + 37 &= 3 \text{ tens} + 7 \text{ ones} \\
 &= \boxed{8 \text{ tens} + 9 \text{ ones}} \\
 8 \text{ tens} + 9 \text{ ones means } 89 \\
 \text{Hence, } 52 + 37 &= 89
 \end{aligned}$$

Add 53 + 32

$$\begin{aligned}
 53 &= 5 \text{ tens} + 3 \text{ ones} \\
 + 32 &= 3 \text{ tens} + 2 \text{ ones} \\
 &= \boxed{8 \text{ tens} + 5 \text{ ones}} \\
 8 \text{ tens} + 5 \text{ ones means } 85 \\
 \text{Hence, } 53 + 32 &= 85
 \end{aligned}$$

Add the following:

1. Add 42 + 36

$$\begin{aligned}
 42 &= 4 \text{ tens} + 2 \text{ ones} \\
 + 36 &= 3 \text{ tens} + 6 \text{ ones} \\
 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 &= \boxed{}
 \end{aligned}$$

2. Add 33 + 25

$$\begin{aligned}
 33 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 + 25 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 &= \boxed{}
 \end{aligned}$$

3. Add 62 + 34

$$\begin{aligned}
 62 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 + 34 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 &= \boxed{}
 \end{aligned}$$

4. Add 26 + 42

$$\begin{aligned}
 26 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 + 42 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 &= \boxed{} \text{ tens} + \boxed{} \text{ ones} \\
 &= \boxed{}
 \end{aligned}$$

Addition of two (2) digit numbers**Add the following:**

$$\begin{array}{r} 34 \\ + 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 3 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ + 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 70 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 74 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 85 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 71 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 52 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ + 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 41 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ + 42 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ + 32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ + 22 \\ \hline \\ \hline \end{array}$$

Add the following:

$$\begin{array}{r} 32 \\ + 44 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 34 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 40 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 42 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ + 17 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 73 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ + 35 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ + 35 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 53 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ + 41 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ + 45 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ + 32 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ + 22 \\ \hline \\ \hline \end{array}$$

Add the following:

$$\begin{array}{r} 21 \\ 32 \\ + 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ 12 \\ + 25 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ 11 \\ + 21 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ 12 \\ + 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ 32 \\ + 10 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ 10 \\ + 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ 12 \\ + 14 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ 12 \\ + 23 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ 24 \\ + 35 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ 23 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ 32 \\ + 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ 12 \\ + 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ 42 \\ + 15 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 16 \\ + 03 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ 40 \\ + 13 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ 11 \\ + 22 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ 28 \\ + 11 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ 62 \\ + 01 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ 66 \\ + 12 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ 13 \\ + 22 \\ \hline \\ \hline \end{array}$$

Addition of three (3) digit numbers**Add the following:**

$$\begin{array}{r} 229 \\ + 650 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 601 \\ + 196 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ + 440 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 524 \\ + 475 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 325 \\ + 561 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 811 \\ + 161 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 733 \\ + 268 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ + 761 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 122 \\ + 101 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 233 \\ + 157 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 879 \\ + 110 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 132 \\ + 856 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ + 888 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 346 \\ + 451 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 113 \\ + 251 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 118 \\ + 251 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 322 \\ + 141 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ + 251 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 133 \\ + 251 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ + 251 \\ \hline \\ \hline \end{array}$$

Addition of three (3) digit numbers

$$\begin{array}{r} 112 \\ + 124 \\ + 651 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ + 223 \\ + 571 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 751 \\ + 123 \\ + 121 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 435 \\ + 422 \\ + 132 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 547 \\ + 321 \\ + 120 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 618 \\ + 150 \\ + 201 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 104 \\ + 325 \\ + 470 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 314 \\ + 140 \\ + 435 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 235 \\ + 151 \\ + 512 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 534 \\ + 104 \\ + 361 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 672 \\ + 124 \\ + 200 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 201 \\ + 133 \\ + 553 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 302 \\ + 415 \\ + 241 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 216 \\ + 142 \\ + 410 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 340 \\ + 451 \\ + 104 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 202 \\ + 132 \\ + 553 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 322 \\ + 141 \\ + 650 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 113 \\ + 254 \\ + 650 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ + 251 \\ + 650 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 133 \\ + 251 \\ + 650 \\ \hline \\ \hline \end{array}$$

10. Numbers (Place Value)

0 1 2 3 4 5 6 7 8 9 are called **digits**.

These are used to write numbers. For example, 23, 50, 95 etc. Say 23: In this number each digit that is 2 or 3 is shown by the place value.

We can use place value beads to represent numbers.

● 1 one

● ● 2 ones

● ● ● 3 ones

● ● ● ● 4 ones

● ● ● ● ● 5 ones

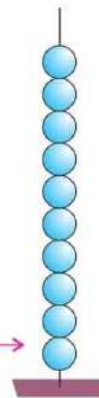
● ● ● ● ● ● 6 ones

● ● ● ● ● ● ● 7 ones

● ● ● ● ● ● ● ● 8 ones

● ● ● ● ● ● ● ● ● 9 ones

● ● ● ● ● ● ● ● ● ● 10 ones



Here 10 ones = 1 ten

Examples:

$$7 = 7 \text{ ones}$$

$$8 = 8 \text{ ones}$$

$$9 = 9 \text{ ones}$$

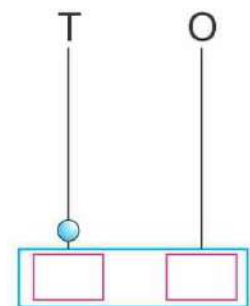
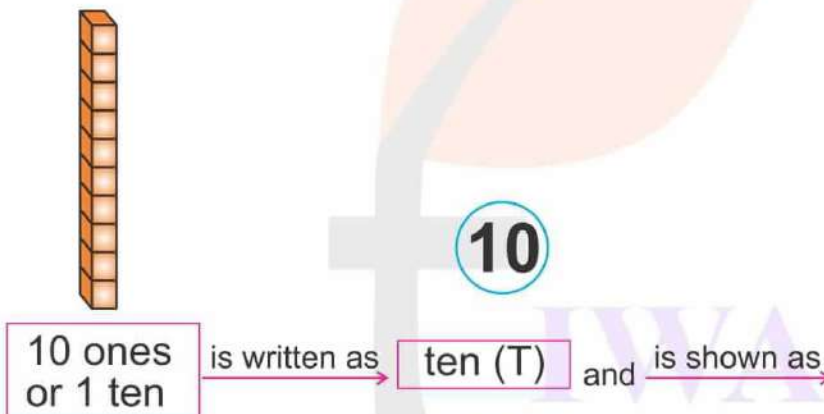
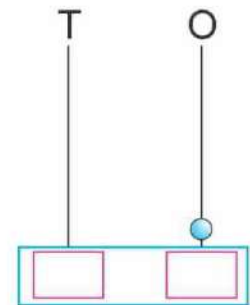
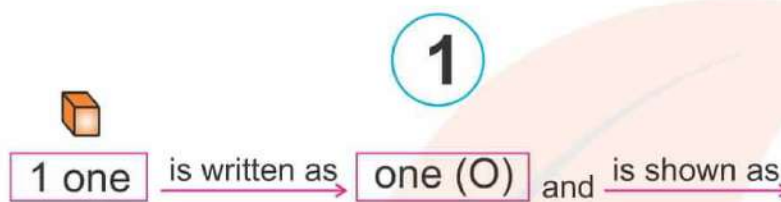
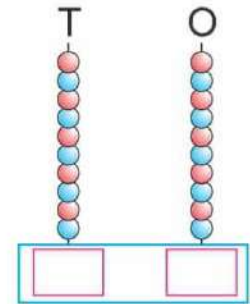
$$5 = 5 \text{ ones}$$

11. Numbers on the Abacus

Now, let us see tens and ones on the **abacus**.

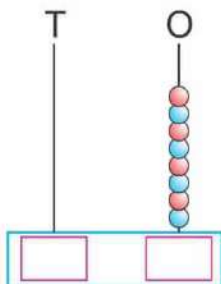
Here, we see two sticks and some beads on them.

Stick on the right side shows **ones (O)** and stick on the left side shows **tens (T)**.

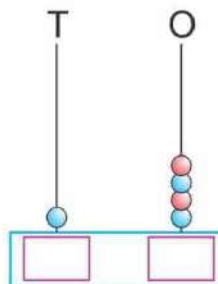


Practice Time

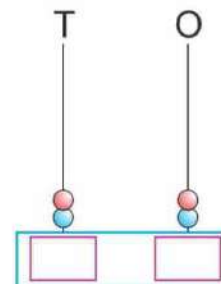
Let us practise more on the abacus.



The number is ____.

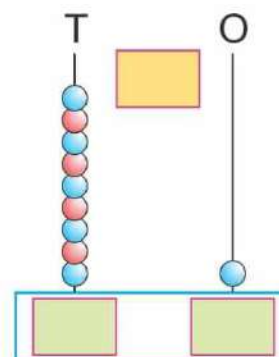
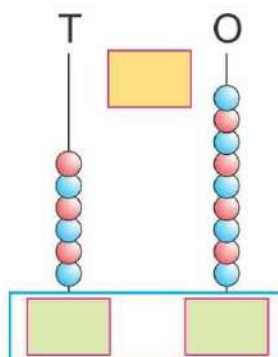
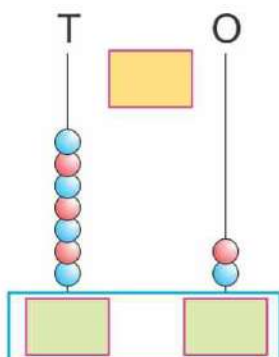
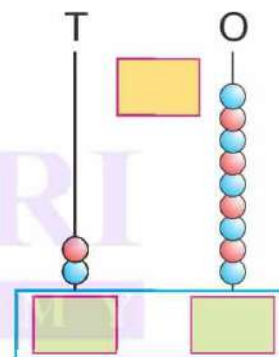
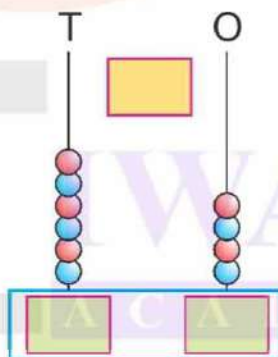
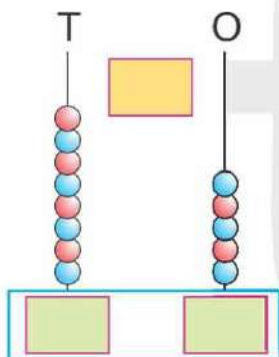
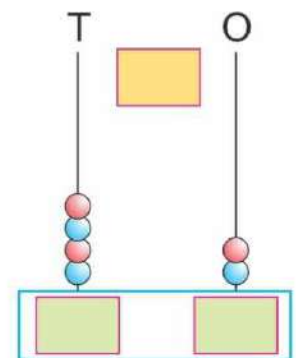
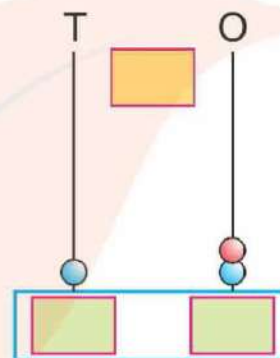
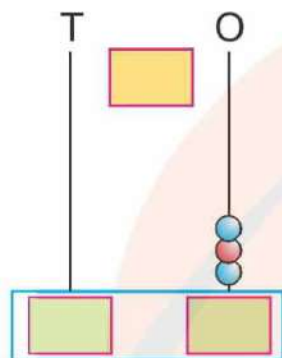
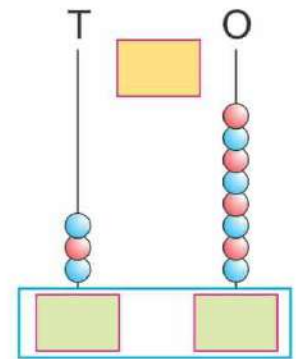
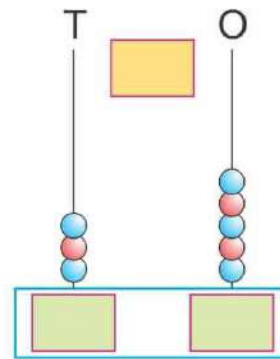
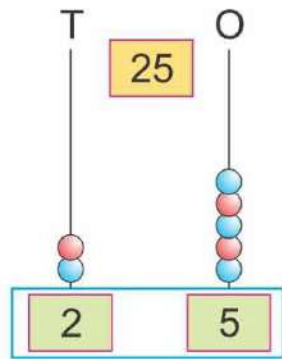


The number is ____.



The number is ____.

See the abacus and write the correct numbers.



Draw the beads on the abacus for the given numbers.

